OREGON BALLISTIC LABORATORIES

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ISO/IEC 17025:2017 Accredited Laboratory
NVLAP Code: 200826-0

June 1st, 2023

Riot Glass
17941 Brookshire Lane
Huntington Beach, CA 93647
ATTN: Brad Campbell

Dear Mr. Campbell:

In accordance with your instructions, Oregon Ballistic Laboratories conducted Ballistic Resistance testing (V_0) on one sample
The sample was tested in accordance with HPW-TP-0500.03 (modified) – Spall Allowed in an indoor range with the muzzle of the test barrel mounted 16.5 feet from the target and positioned to produce 0-degree obliquity impacts. Four Oehler model 57 infrared velocity light screens, in conjunction with two HP 5315A time-based frequency counters, were placed such that projectile velocity was measured 8.25 feet from the target. Penetrations were determined by examination of a piece of 0.002" aluminum foil witness mounted 6 inches behind and parallel to the test sample. Results for all testing performed for this purpose are summarized in the following table.

Test Sample				Ballistic Threat				Results	
OBL No.:	Model No.:	Weight (lbs.)	Average Thickness (in.)	Projectile	Shots	Velocity (fps)		Penetrations	Pass/Fail
						Min.	Max.		
35324	AP375BR	2.24	0.360	.38 Special LRN	3	709	772	0	***PASS***

*Data shown in the table represents fair impacts only.

This report pertains only to the samples tested and may not be modified or edited in any way. This report may not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any federal government agency. Samples will be maintained at Oregon Ballistic Laboratories for 30 days and discarded unless other instructions are received. If you have any further questions or concerns, don't hesitate to contact us.

Darius Nuttbrock
Ballistic Test Director
Oregon Ballistic Laboratories
503.689.5134
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BALLISTIC RESISTANCE TEST - V_0

Customer:	Riot Glass
OBL ID#:	35324
Date Rcv'd:	4/27/2023
Test Date:	5/10/2023
Purchase Order:	

TEST SAMPLE

Model No.:	AP375BR	**Size (in.):**	12 x 12				
Sample No.:	2	**Weight (lb.):**	2.24				
Lot No.:	N/A	**Thickness:**	0.358	0.360	0.360	0.360
Plies:	N/A	**Avg. Thk. (in):**	0.360			
Description:	Ballistic Transparency					

RANGE SET-UP — CLAY CALIBRATION NOT REQUIRED

Range to Target:	16.5 ft.	**Range #:**	3	**Pre Test:**	
Screen Dist. Vel. 1 (ft.):	5	**Temperature:**	71.9 °F	**Clay Drops (mm):**	
Screen Dist. Vel. 2 (ft.):	4	**Bar. Pressure:**	29.81 in. Hg	**Drop Avg (mm):**	
Screen 4 to target (ft):	N/A	**Rel. Humidity:**	44.0 %	**Clay Temp °F:**	
Primary Vel. Location:	8.25 ft. from target	**Sample Temp.**	Amb. °F	**Clay Box #:**	
Striking Velocity:	No	**Recorder:**	Jerhemi Stone	**Post Test:**	
Target to Witness:	6 in.	**Gunner:**	Nathan Myers	**Clay Drops (mm):**	
Witness Panel:	0.002" Foil			**Drop Avg (mm):**	
Backing Material:	N/A			**Clay Temp °F:**	
Obliquity:	0 Degrees				
Barrel:	.357 Mag/1:18.75/10"				

AMMUNITION

Projectile: .38 Special 158gr. RN Lead **Powder:** Accurate No. 2

STANDARDS / PROCEDURES

HPW-TP-0500.03 (mod) - Spall Allowed **Required Velocity:** 750 fps ± 50 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 µs (10^{-6})	TIME 2 µs (10^{-6})	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	158.6	3.3	6891	5502	726	727	**727**	P	0°		Spall Complete / May Have Been Protected Side
2	157.8	3.3	7061	5636	708	710	**709**	P	0°		Flipping Sample / Spall Complete
3	158.4	3.3	6488	5182	771	772	**772**	P	0°		Spall Complete

REMARKS:

P=Partial Penetration
C=Complete Penetration
UH=Unfair Hit
Projectile Yaw Check: <5° for all velocity shots

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

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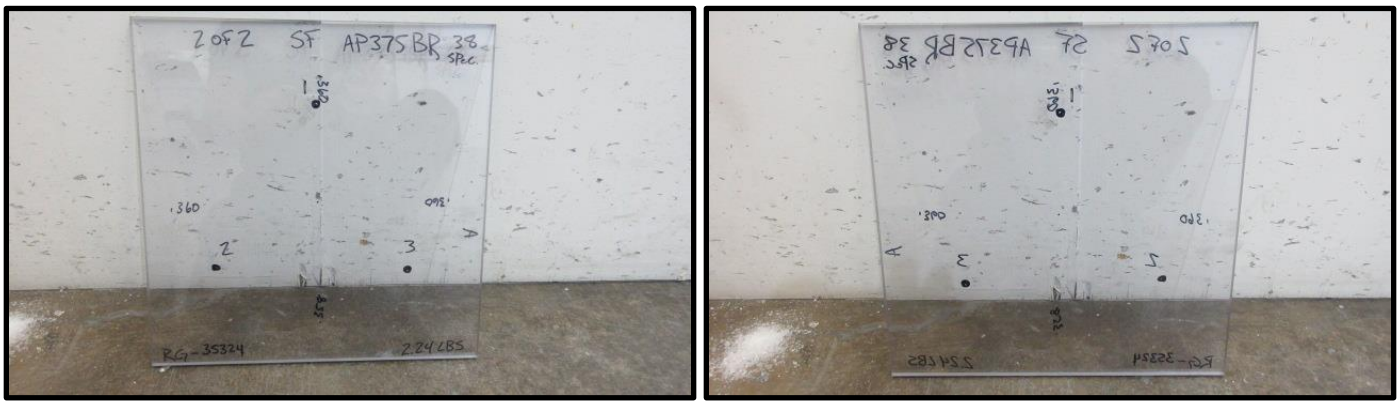
OBL #35324 – Pre Test



OBL #35324 – Post Test